

FAKRA Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, FM-B100, FM- C100, LMR-100, Black Color

FAKRA jack connector with crimp/solder attachment for RG174, RG316, RG188, .100 inch, FM-B100, FM-C100 and LMR-100, black color, part number FMCN1346A, from Fairview Microwave is in-stock and ships same day. This FAKRA jack connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.3:1.

Fairview's FAKRA jack connector FMCN1346A datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		4	GHz
VSWR			1.3:1	
Operating Voltage (AC)			335	Vrms
DWV (AC)			1,000	Vrms
Inner Cond. DC Resistance			6	mOhms
Outer Cond. DC Resistance			2.5	mOhms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size	
Length	0.038 in [0.97 mm]
Width/Dia.	0.37 in [9.40 mm]
Height	0.54 in [13.72 mm]

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold
Insulation	PTFE	
Outer Conductor	Brass	Nickel
Body	Plastic	

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Configuration:

- FAKRA Jack Connector
- 50 Ohms
- Straight Body Geometry
- RG174, RG316, RG188, .100 inch, FM-B100, FM-C100, LMR-100 Interface Type
- Crimp/Solder Attachment

Features:

- Operating Frequency of 4 GHz Max.
- Good VSWR of 1.3:1
- Gold Plated Phosphor Bronze Contact

Applications:

- General Purpose Test
- Custom Cable Assemblies

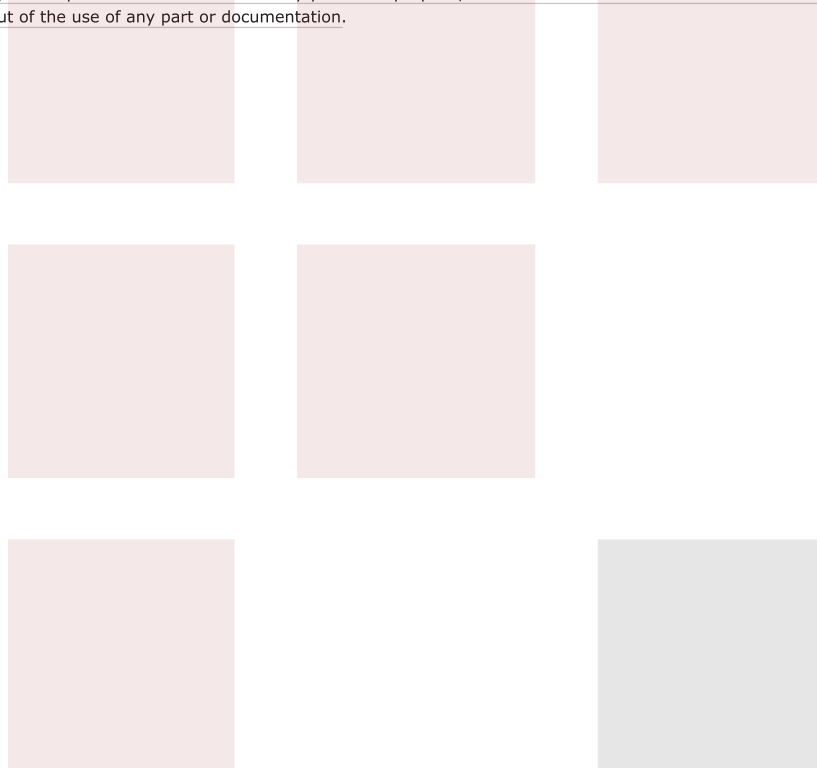
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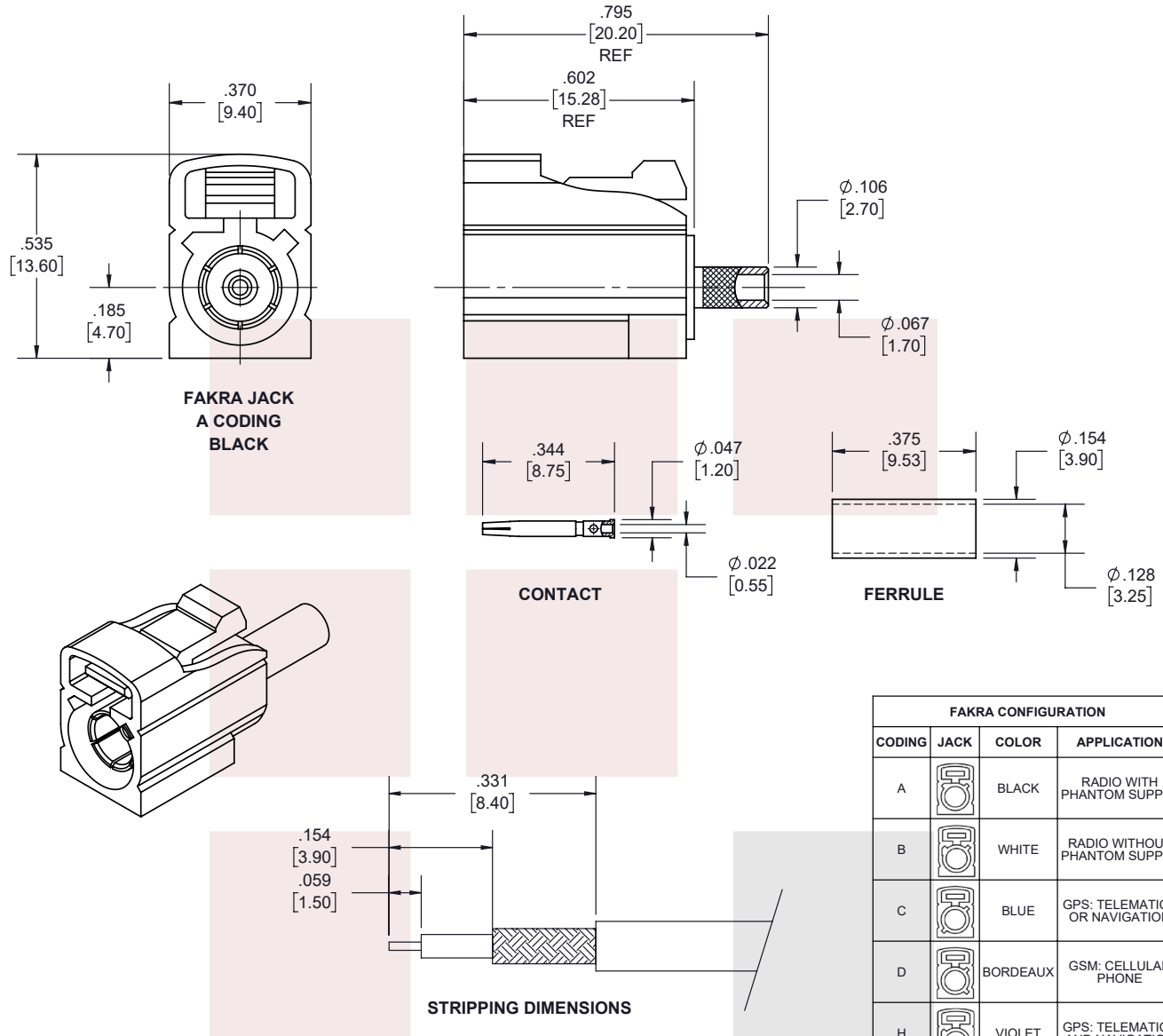
FAKRA Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, FM-B100, FM-C100, LMR-100, Black Color from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [FAKRA Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, FM-B100, FM-C100, LMR-100, Black Color FMCN1346A](https://www.fairviewmicrowave.com/fakra-jack-standard-rg174-rg316-connector-fmcn1346a-p.aspx)

URL: <https://www.fairviewmicrowave.com/fakra-jack-standard-rg174-rg316-connector-fmcn1346a-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





NOTES:

- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
 - FERRULE: .128 [3.25] HEX. CRIMP TOOL
 - CONTACT: SOLDER.

STANDARD TOLERANCES

.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

FAKRA CONFIGURATION			
CODING	JACK	COLOR	APPLICATION
A		BLACK	RADIO WITH PHANTOM SUPPLY
B		WHITE	RADIO WITHOUT PHANTOM SUPPLY
C		BLUE	GPS: TELEMATICS OR NAVIGATION
D		BORDEAUX	GSM: CELLULAR PHONE
H		VIOLET	GPS: TELEMATICS AND NAVIGATION
I		BEIGE	BLUETOOTH
K		CURRY	RADIO WITH IF OUTPUT (ANTENNA DIVERSITY)
Z		WATER BLUE	NEUTRAL CODING

TITLE FAKRA Jack Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, FM-B100, FM-C100, LMR-100, Black Color	DWG NO FMCN1346A		CAGE CODE 3FKR5			
	CAD FILE	09/22/19	SHEET	1 OF 1	SCALE	N/A
					SIZE	A
						7361

SMA Male (Plug) Connector For RG316, RG174, RG188, LMR-100, LMR-100A, 0.100 inch Cable, Crimp/Solder, Ni Plated Brass Body, Length 0.59 In

SMA male connector with crimp/solder attachment for 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A and LMR-100A-FR, part number SC7059, from Fairview Microwave is in-stock and ships same day. This SMA male connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.21:1.

Fairview's SMA male connector SC7059 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
VSWR			1.21:1	
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size	
Length	0.593 in [15.06 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.013 lbs [5.9 g]
Mating Torque	3 to 5 in-lbs [0.34 to 0.57 Nm]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature	
Operating Range	-65 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Configuration:

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- 0.100 inch, RG316, RG174, RG188, LMR-100, LMR-100A, LMR-100A-FR Interface Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Features:

- Operating Frequency of 6 GHz Max.
- Excellent VSWR of 1.21:1
- Gold Plated Brass Contact
- 50 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

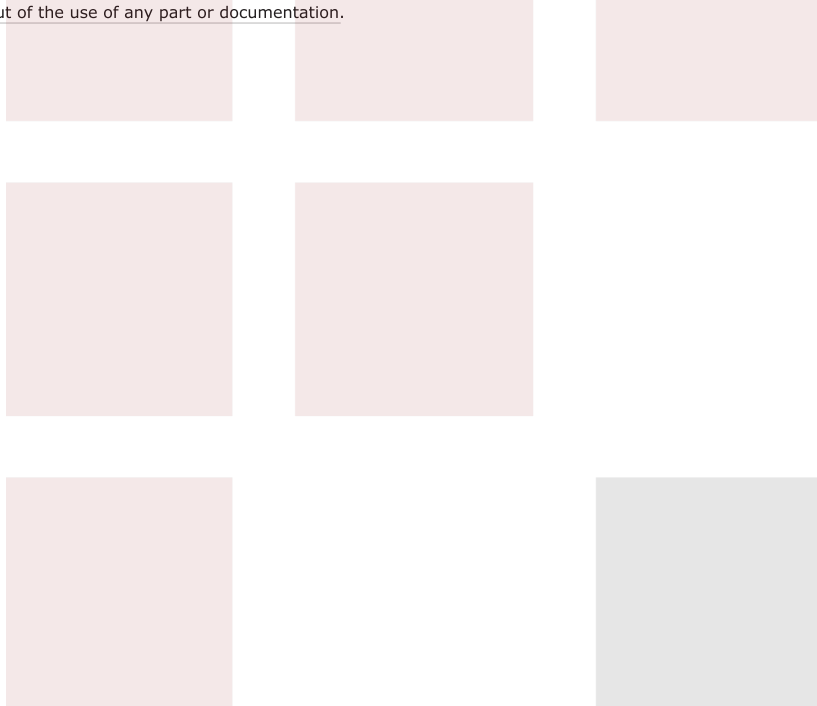
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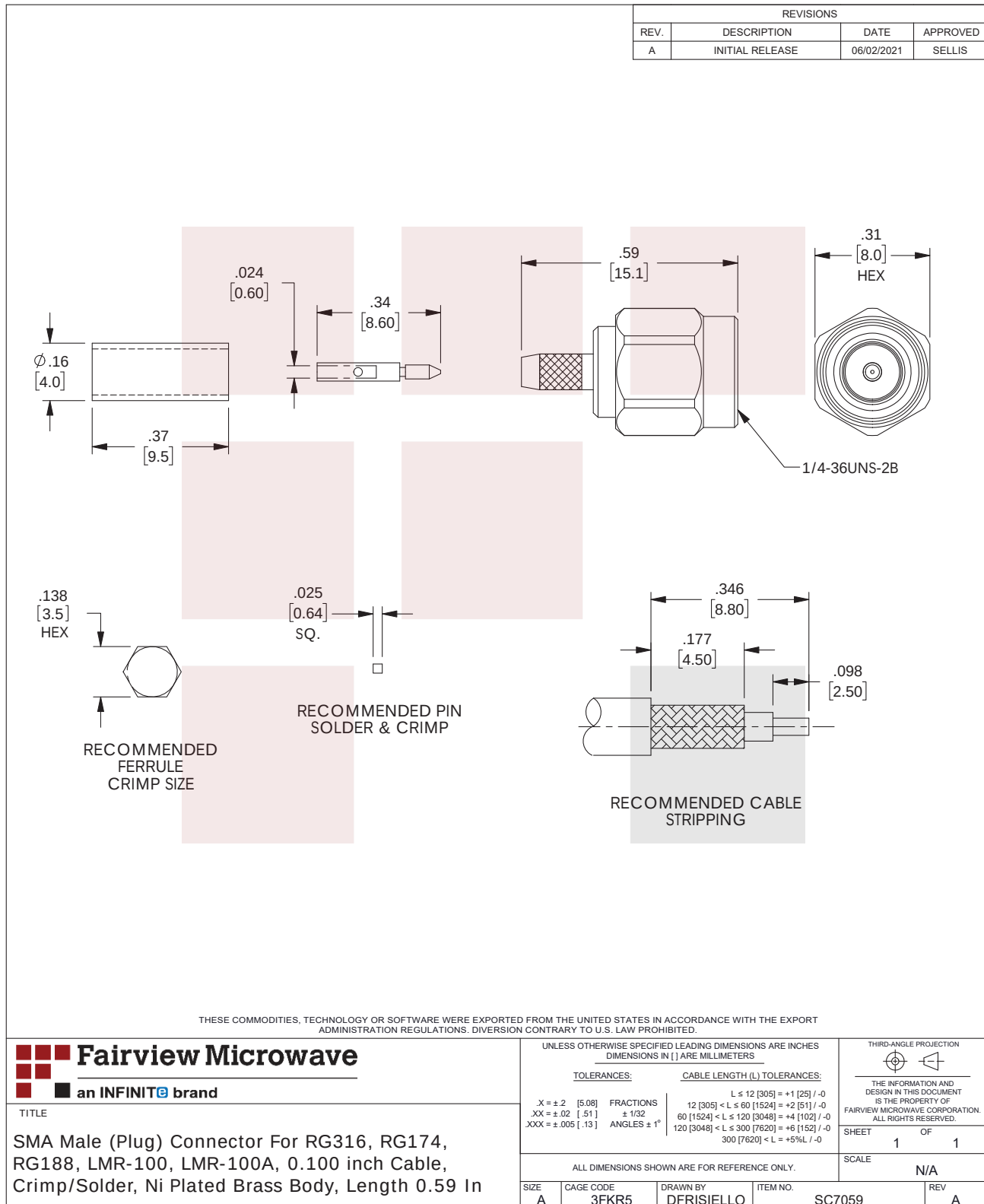
SMA Male (Plug) Connector For RG316, RG174, RG188, LMR-100, LMR-100A, 0.100 inch Cable, Crimp/Solder, Ni Plated Brass Body, Length 0.59 In from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male \(Plug\) Connector For RG316, RG174, RG188, LMR-100, LMR-100A, 0.100 inch Cable, Crimp/Solder, Ni Plated Brass Body, Length 0.59 In SC7059](#)

URL: <https://www.fairviewmicrowave.com/sma-male-0.100-rg316-rg174-rg188-lmr-100-lmr-100a-lmr-100a-fr-connector-sc7059-p.aspx>

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Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket



LMR-100A-PVC



Times Microwave Systems Connector Specification

Configuration

- Low Loss, Indoor/Outdoor Flexible Cable
- 2 Shield(s)

Features

- Max Operating Frequency of 8 GHz

Applications

- General Purpose RF Interconnect
- Laboratory Applications

Description

LMR-100A coax cable from Fairview is only one of a large number of radio frequency twinaxial and coaxial cable types specifically stocked to be ready for quick shipment. Fairview Microwave LMR-100A-PVC coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This low loss flexible 50 Ohm coax cable LMR-100A-PVC LMR-100A is constructed with a 0.11 inch diameter and PVC jacket.

LMR-100A-PVC flexible 50 Ohm coax cable with PVC jacket is rated for a 8 GHz maximum operating frequency. This 50 Ohm 0.11 inch diameter and low loss flexible coax cable is built with a shield count of 2 and RF shielding of 90 dB.

Fairview Microwave LMR-100A coax is constructed with PE dielectric and a maximum operating temperature of 85 degrees C. Times Microwave LMR-100A coax cable specs for this wire properties can be found on its RF coax cable LMR-100A datasheet PDF specifications above.

LMR-100A cable is part of more than one million RF, microwave and millimeter wave parts in stock at Fairview. This Times Microwave low loss LMR-100A coax cable is ready to buy and can be shipped worldwide. Fairview also maintains a wide selection of other radio frequency twinaxial and coaxial cable types that ship same-day from our warehouse as with the rest of our other RF/microwave and millimeter wave components.

* LMR™ is a trademark of Times Microwave Systems.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Cutoff Frequency		90		GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Time Delay		1.54 [5.05]		ns/ft [ns/m]
Shielding Effectiveness	90			dB
Dielectric Withstanding Voltage (DC)			500	Vdc
Jacket Spark			2,000	Vrms
Inner Conductor DC Resistance			81	Ohms/1000ft

Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket



LMR-100A-PVC

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Outer Conductor DC Resistance			9.5	Ohms/1000ft
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]
Nominal Inductance		0.077 [0.25]		uH/ft [uH/m]
Input Power (Peak)			600	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	50	150	220	450	900	MHz
Attenuation, Typ	3.9	8.9	10.9	15.8	22.8	dB/100ft
	12.8	29.2	35.76	51.84	74.8	dB/100m
Input Power (CW), Max	230	100	83	57	39	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	1.5	1.8	2	2.5	8	GHz
Attenuation, Typ	30.1	33.2	35.2	39.8	64.1	dB/100ft
	98.75	108.92	115.49	130.58	210.3	dB/100m
Input Power (CW), Max	29	27	25	22	13	Watts

Mechanical Specifications

Diameter	0.11 in [2.79 mm]
Weight	0.009 lbs/ft [0.01 kg/m]
Min. Bend Radius (Installation)	0.25 in [6.35 mm]
Min. Bend Radius (Repeated)	1 in [25.4 mm]
Bending Moment	0.1 lbs-ft [0.14 N-m]
Tensile Strength	15 lbs [6.8 kg]
Flat Plate Crush	10 lbs/in [0.18 kg/mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 1 Strand	0.018 in [0.46 mm]
Conductor Type	Solid	
Dielectric	PE	0.06 in [1.52 mm]
First Shield	Aluminum Tape	
Second Shield	Tinned Copper Braid	
Jacket	PVC, Black	0.11 in [2.79 mm]

Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket



LMR-100A-PVC

Environmental Specifications

Temperature

Operating Range	-40 to 85 deg C
Storage Range	-70 to 85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket LMR-100A-PVC](#)

URL: <https://www.fairviewmicrowave.com/lmr100-low-loss-flexible-coax-cable-pvc-jacket-lmr-100a-pvc-p.aspx>

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LMR-100A-PVC CAD Drawing
 Times Microwave LMR-100A-PVC Low Loss Flexible Coax Cable Black PVC Jacket

